BRITISH VIRGIN ISLANDS

Report

OF THE

Department of Agriculture

FOR THE YEAR

1955

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SECTION I.

REVIEW OF AGRICULTURAL PRODUCTION.

1. WEATHER CONDITIONS.

General Climatic conditions were more favourable to pasture management in 1954 than in 1955 despite the comparatively lower rainfall in 1954 than in 1955. The total rainfall in 1955 was 43.29 inches compared with 51.20 inches in 1954. Precipitation was fairly evenly distributed throughout the year.

Two hurricanes Connie and Ione located in the Eastern Caribbean gave cause for alarm. The first located in August passed near enough to the islands to cause considerable damage to crops and boats. Fortunately only minor damage was done to houses. The second located in September travelled for some time in a direction which would have brought the storm dangerously close to the Virgin Islands when it took a sharp turn to the Northwest and passed the islands without causing any damage.

2. PRODUCTION.

The chief Agricultural output is livestock, principally beef cattle. The production of livestock as a whole showed steady gains but the production of food crops and vegetables has declined considerably compared with previous years. The decline of food crop production is due to labour migrations to St. Thomas and St. Croix.

3. SUGAR.

Sugar-cane is grown for the manufacture of rum and for chewing. No sugar is manufactured. The estimated area planted under sugar-cane is approximately 100-150 acres. Most of the rum produced is consumed locally. In 1955 about 1800 gallons exported as compared with 1400 gallons in 1954.

4. LIMES.

There has been a slight increase in the production of limes this year. Exports to the Virgin Islands of the United States in 1955 increased slightly as compared with 1954. Value of exports for 1954 being U.S. $257.60 and U.S. $303.65 for 1955.

5. COCONUTS.

The estimated acreage of coconuts under cultivation is 200 acres approximately. The quantity exported, 37,639 green and dried nuts, showed an increase of 4,514 over the previous year. The average price obtained in the export market for green water coconuts was U.S. 8 cents each and for dried nuts U.S. 5 cents each.

The demand for coconuts has increased considerably and this demand is stimulating interest among farmers to undertake new plantings which are expected to come into bearing within the next five years.

6. BANANAS.

The export of bananas has decreased as compared with 1954. Exports for the year amounted to 2,671 stems as against 4,558 in 1954. The decrease in exports can be attributed to :—

(*a*) more bananas appearing on the domestic market, and

(*b*) the loss of trees and fruit cause by gales attending hurricane 'Connie".

7. FOOD CROPS.

Due to unfavourable weather conditions, ground provisions and vegetables were in very short supply during the first quarter of the year. Weather conditions improved towards the latter part of the year resulting in a considerable increase in ground provisions and vegetables but production as a whole was insufficient to meet the demand in the domestic and export market.

8. LIVESTOCK.

The sole export markets for the livestock of the Presidency are the French West Indies and the island of St. Thomas, Virgin Islands of the United States. The bulk of the cattle exports in 1955 went to the French West Indies.

The restrictions which the United States authorities imposed on the importation of cattle into St. Thomas consequent on the reappearance of the cattle fever tick in Tortola in April 1953 were lifted in June 1955 and cattle shipments to that island were resumed but such shipments are being made only from those islands of the Presidency which can be certified as tick free.

St. Thomas also continued to take all the Presidency's exports of small stock — Sheep, Goats and Pigs. The prices paid for livestock are as follows :—

Cattle sold in St. Thomas	15c.	per lb. (USC) liveweight
„ „ „ Tortola	12c.	„ „ „ „
Sheep and Goats remained the same	12c.	„ „ „ „
Swine sold in St. Thomas under 200 lbs.	21c.	„ „ „ „
„ „ „ Tortola	16c.	„ „ „ „

Animal health during the year was good ; no new diseases were encountered.

Inocculations with the use of Hog cholera Vaccine against this disease were continued as a routine measure. A number of cases of Piroplasmosis were again encountered. Internal parasitism is still a problem of major significance. This is commonly a cause of unthriftiness and death in stock but control is a matter of education of the farmer.

9. LIVESTOCK EXPORTS.

Table I sets out the number of animals exported during the year as compared with 1953 and 1954. In Table II the livestock exports are analysed according to type and sex.

TABLE I.

EXPORTS 1953 — 1954.

Year	Destination	Cattle	Sheep	Goats	Swine	Total
1953	St. Thomas	200	339	1033	445	2017
	French West Indies ..	797	—	—	—	797
	Puerto Rico	77	—	—	354	431
	Leeward Islands ..	15	7	—	—	22
	Totals	1089	346	1033	799	3267
1954	St. Thomas	—	502	1812	566	2880
	French West Indies ..	1643	—	—	—	1643
	Puerto Rico	—	—	—	111	111
	Leeward Islands ..	—	—	1	—	1
	Totals	1643	502	1813	677	4635
1955	St. Thomas	213	381	1107	439	2140
	French West Indies ..	1007	—	—	—	1007
	Puerto Rico	—	—	—	—	—
	Leeward Islands ..	—	—	—	—	—
	Totals	1220	381	1107	439	3147

TABLE II.

TYPE AND SEX ANALYSIS OF EXPORTS 1955 :

Type	Sex		No.	Total
Cattle	Bulls	..	493	
	Steers	..	2	
	Cows	..	455	
	Heifers	..	270	1220
Sheep	Rams	..	184	
	Wethers	..	1	
	Ewes	..	196	381
Goats	Bucks	..	430	
	Wethers	..	47	
	Does	..	630	1107
Swine	Boars	..	48	
	Barrows	..	125	
	Sows & Gilts	..	266	439
				3147

SECTION II.

INVESTIGATIONAL WORK.

10. LIVING FENCES.

The trial carried out during the past three years with sweet lime as a living fence for livestock has been very unsatisfactory. This is attributed to unfavourable weather conditions which resulted in retarded growth.

11. SWEET POTATO.

The area planted under (U.P.R. No. 3) has been extended in order to make available more planting material. Cuttings have been distributed to farmers in different districts for trial and it is gratifying to record that satisfactory results are being obtained.

12. MOLASSES GRASS (Melinis Minutiflora)

As stated in last year's report, this grass gave poor results in the hillside paddock where it was planted. Other areas on the flat were

also planted but proved disappointing. More trials will be made next year at much higher elevations in order to access the value of this grass under different conditions in Tortola.

13. PANGOLA GRASS (Digitaria decumbens)

This grass was imported from St. Croix, Virgin Islands of the United States, for trial in Tortola and is showing its adaptability to local conditions. Observations carried out in Jamaica, St. Kitts and elsewhere, indicate that Pangola could be used fairly extensively in certain sections of the Presidency.

14. EXPERIMENT WITH FODDER CONSERVATION.

A C.D. & W. grant of £300 ($1440 B.W.I.) was made available for experiments with fodder conservation with a view to demonstrate to farmers various methods of conservation. Owing to shortage of staff, work was retarded during the year. To date one concrete Silo has been built and filled using Elephant Grass, the only available material in sufficient quantity.

SECTION III.

EXTENSION AND DEVELOPMENT WORK.

15. TORTOLA AGRICULTURAL STATION.

No further development of the Station was undertaken during the year under review. The principal activities were :—

(*a*) The maintenance of pedigree sires for stud purposes
(*b*) The production of breeding stock for sale to farmers
(*c*) The maintenance of Nursery to provide vegetable seedlings, fruit trees and other planting material.
(*d*) The carrying out of investigations (Section II)

The area of the Station is sixty-eight (68) acres, utilized as follows :—

Guinea Grass Paddocks	38.75 acres
Elephant Grass Paddocks	9.50 „
Guatamala Grass Paddocks	1.75 „
Mixed Grasses & Legumes Paddocks	17.00 „
Nursery	1.00 „
Total :	68.00 Acres

16. CATTLE.

The cattle herd maintained at the Station is kept for the demonstration of livestock raising and to provide improved stock for sale to farmers for breeding purposes. Twelve (12) ¾ Red Poll x ¼ Senegal calves were born on the Station during the year. Of this number nine

(9) were bulls and three (3) were heifers. One calf died during the year. Twenty (20) cattle were sold during the year for further breeding, Eleven (11) bulls four (4) heifers and five (5) cows. The herd maintained excellent condition throughout the year. The herd now comprises :—

Bulls	*Bull Calves*	*Cows*	*Heifers*	*Total*
2	5	14	9	30

17. HORSES.

The thoroughbred stallion referred to in last year's report has been replaced. The new thoroughbred stallion arrived very late in the breeding season consequently resulting in only three (3) services. Riding horses are also maintained at the Station. One horse was purchased during the year to replace one of the old ones who is on his way out. The Department now owns four (4) riding horses and maintains five (5) others for Government Officers who require to travel on duty.

18. KENTUCKY JACK DONKEY.

This animal continues to maintain good condition and is very much liked by farmers as a result he receives very good patronage.

19. MULES.

The two mules used for draft purposes maintained their good condition throughout the year.

20. BLACKHEAD PERSIAN SHEEP.

Reference was made in last year's report to the introduction of the Wiltshire Horn for both breeding pure and crossing with the Blackhead Persian but so far efforts to introduce have been unsuccessful.

Four (4) lambs were born during the year under review, one (1) ewe died, three (3) ewes and three (3) rams were sold to farmers for further breeding.

21. BERKSHIRE PIGS.

These pigs maintained their condition throughout the year. The introduction of a bacon type pig as mentioned in last year's report has not yet been implemented.

22. ANGLO-NUBIAN GOATS.

Breeding of grade Anglo-Nubian goats was continued during the year. There is great demand for the breed throughout the Presidency.

7 kids were born during the year, two does died, two bucks and two does were sold to farmers for breeding.

23. STUD SERVICES.

Stud Services of Government owned sires for the year were as follows :—

Stallion " Saber Dancer "	3
Jack " Col. Dunway "	22
¾ Red Poll x ¼ Senegal Bull " Chamberlain "	3
¾ Red Poll x ¼ Senegal Bull " Comando "	8
Anglo-Nubian Buck Goat	8
Blackhead Persian Sheep (Ram)	2
Berkshire Boars	11

24. DISTRIBUTION OF PLANTING MATERIAL.

The propagation of ornamental and economic plants continued during the year. Distribution and/or sales for plants, seed etc. during the year are set out below :—

Cabbage seedlings	2,532
Tomato seedlings	5,436
Sweet Pepper seedlings	360
Egg Plant seedlings	804
Cassava cuttings	2,270
Elephant Grass cuttings	1,200
Sweet Potato cuttings (B.44) ..	9,213
Sweet Potato cuttings (U.P.R.3) ..	6,120
Grafted Mango Plants	27
Ornamental Plants	38
Red Cedar Plants	26
Mahogany Plants	75

25. SOIL AND WATER CONSERVATION.

The plots referred to in last year's report at certain schools were maintained. Other than the giving of advice to farmers by the Staff, progress is slow due to shortness of Staff.

26. IMPROVEMENTS.

One other scale has been bought and installed at Virgin Gorda, Sound. The scale was very much needed as its absence caused a fair amount of hardship to the people of Virgin Gorda Sound with their livestock sales. This scale is the fifth to be installed by the Department. A scale is now installed at the following places :—

West End, Tortola
The Agricultural Station
Virgin Gorda Valley
Virgin Gorda Sound
Jost Van Dykes

The Department has also undertaken the construction of three (3) additional Dipping Vats in Tortola. The addition of these Dipping

Vats will reduce the number of livestock which would normally over crowd the existing Dipping Vats and also greatly reduce the long distances over which livestock were brought for dipping.

27. TICK CONTROL.

Due to the presence of the Fever Tick (Boophilus anulatus) in Tortola it has been decided to start a Compulsory Dipping Campaign. It was hoped that it would have been possible to start the campaign in 1955 but owing to difficulties which arose it was not possible however, by the end of January 1956 it is hoped that the campaign will be started.

28. VISITS TO FARMS.

Members of the Staff continue to pay visits to farmers for the purpose of giving advice on problems such as soil conservation, grassland management, rendering first aid to animals, hog cholera vaccinations, and for the inspection of land and houses offered as security for pasture improvement.

There is still a demand by farmers for visits for the treatment of individual animals but apart from the treatment of diseases such as Piroplasmosis and Anaplasmosis other disease conditions encountered resulted in poor feeding and management practises.

29. CREDIT AND MARKETING.

A total of $6,803.14 was issued as loans during the year as compared with $1,961.20 in 1954. As stated in last year's report, the prevailing system of tenure is freehold but many efficient farmers have no clear titles to their lands and so are not in a position to qualify for assistance under this scheme. In order to assist those farmers referred to above another Colonial Development and Welfare Grant of $19,200 has been approved by the Secretary of State to be used to set up a revolving fund (distinct from that under the already existing Agricultural Scheme) to provide credit. Loans under this scheme are only issued to persons of good character and of proven ability as farmers. They are issued on the security of houses, livestock and boats. The maximum loan to any farmer will not exceed $200.00 U.S. or $342.00 B.W.I. Loans are repayable in instalments over a period of four (4) years — the first year being interest free, the loan thereafter bearing interest at 3% per annum.

To date one farmer has received assistance from this scheme in the amount of $162.86 B.W.I.

To date approximately 1896 acres have been developed as follows :—

(a) 1454 acres of existing pastures improved i.e. cleaning, paddocking and replanting.

(*b*) 442 acres of new pasture land opened.

Loans issued in 1954 and 1955 were as follows :—

1954	—	14 loans	
Cash		$1,891.00	
Barbed Wire		70.20	$1,961.20
1955	—	22 loans	
Cash		$6,705.43	
Barbed Wire		97.71	$6,803.14

Repayments to date (31st December, 1955) amounted to $11,715.82.

A Committee was appointed by the Commissioner to advise on all applications, this Committee replaces the Trade & Production Committee but is still under the Chairmanship of the Member for Trade & Production.

There are no organized marketing facilities in the Presidency. The Department with the invaluable assistance of the Member for Trade & Production continue to seek new markets.

30. AGRICULTURAL SHOWS.

Agricultural Shows were held in November at the following places :—

1. Virgin Gorda, Valley
2. Great Harbour, Jost Van Dykes
3. Road Town, Tortola

The standard of livestock was excellent it can be said that good progress has been made with the up-grading of livestock.

The pastures exhibited were very good.

Fruit, Vegetables and Handicraft were exhibited only at the Road Town Show. The standard of fruit, vegetables and handicraft were extremely good and exhibits were numerous.

The Shows this year have been outstanding in all aspects.

31. STAFF TRAINING COURSES.

Three one-day courses in Agriculture for farmers were conducted at the Agricultural Station during the year.

These courses not only provide practical and some theoretical training for farmers but also give an opportunity to farmers from the

outer islands to meet farmers from Tortola. It is regretted that it was not possible to have any guest speakers from outside present at these courses this year.

32. MISCELLANEOUS ACTIVITIES.

The following other activities of the Department were pursued during the year :

1. Maintenance of fences and care of trees of the Recreation Ground.
2. Care of trees at the Hospital.
3. Care of trees and shrubs at the Market Square.
4. Issue of licences for the importation of animals into the Presidency.
5. Inspection of all animals imported under (4)
6. Inspection of all animals exported.
7. Construction of Dipping Vats.
8. Organization of Tick Eradication Campaign.

33. FORESTRY.

Following reports from Mr. J. S. Beard, Assistant Conservator of Forests, Trinidad and Tobago and Dr. F. H. Wadsworth of the United States Forest Service, Puerto Rico, the Government gave serious consideration to the need for a Forestry Programme. As a result Forestry and water conservation legislation was passed in 1954 and the Staff of the Department was strengthened by the appointment of an additional Petty Officer to perform the duties of forest ranger. The first task was to demarcate an area of approximately 80 to 100 acres of land on Sage Mountain and to declare it a forest protected area. The forest ranger made a number of visits to other areas of the Presidency for the purpose of advising on protection of trees and water conservation measures.

34. VISITORS.

Visitors to the Department included the following :—

His Excellency Sir Kenneth Blackburne, K.C.M.G., Governor of the Colony.
His Excellency P. D. MacDonald, C.M.G., Ag. Governor of the Colony.
His Honour Lieutenant Colonel H. A. C. Howard, Commissioner of the B.V.I.
His Honour Lieutenant Colonel A. Lovelace, M.B.E., M.C., Administrator of Antigua.
His Honour, H. Burrowes, Administrator of St. Kitts, Nevis and Anguilla.
His Honour. C. Ross, Commissioner of Montserrat.
Dr. W. Davies. Grassland Research Institute, England.
Mr. M. S. Motta, Department of Agriculture, Jamaica.

Dr. Lawrence Waitz, Westbury, N.Y., U.S.A.
Dr. Richard Bond, Director of Agriculture, St. Croix, Virgin Islands of the United States.
Honourable H. R. Penn, M.B.E., Road Town Tortola.

35. ACKNOWLEDGEMENTS.

It is with pleasure that I record the thanks and appreciation of the Staff of the Department to those who assisted and co-operated in the work of the Department. We also wish to thank those who donated prizes for the Agricultural Shows, also the Judges of the various classes.

SECTION IV.

36. COLONIAL DEVELOPMENT & WELFARE SCHEMES.

The following Schemes relating to Agriculture are in operation :

Title and object of Scheme :	Total Grant
Scheme D — 2310 *" Tick Eradication Campaign "* The purpose of the Scheme is to carry out a one year Tick eradication campaign in Tortola	$29,472.00
Scheme D — 13D (ab) *" Experiment with Fodder Conservation "* The purpose of the Scheme is to demonstrate to farmers various methods of fodder conservation	$ 1440.00
Scheme D — 13D (f) *" Manufacture of Fish Meal "* The purpose of the Scheme is to conduct an experiment on the manufacture of Fish meal	$ 2400.00
Scheme D — 2592 *" Agricultural Credit "* The purpose of this Scheme is to make available credit to farmers for pasture improvement.	$19200.00

37. SUMMARY OF AGRICULTURAL LEGISLATION.

The following legislation relating to Agriculture came into effect in 1955 :—

" The Animals (Diseases, Importation and Exportation) Ordinance, 1955 ".

The object of this Ordinance is to control the importation of animals, birds, reptiles and insects, to regulate the treatment and disposal of animals which are suffering or are suspected to be suffering from any disease, to regulate the exportation of animals from the Presidency and for other matters related thereto or connected therewith.

M. WINTER,
Superintendent of Agriculture.

APPENDIX I.

AGRICULTURAL DEPARTMENT, Tortola, British Virgin Islands

RETURN OF RAINFALL

from

January, 1946 to December, 1955

MONTH	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	10-yearly monthly average
JANUARY ..	2.83	5.65	2.83	1.45	5.04	1.74	6.49	3.35	2.18	1.16	3.27
FEBRUARY ..	2.52	3.09	1.60	2.59	9.32	.97	.83	1.01	4.47	1.23	2.76
MARCH ..	1.00	1.55	.84	4.29	1.69	.46	1.48	2.94	1.36	1.49	1.71
APRIL ..	.61	.61	1.52	1.27	3.82	1.11	7.38	1.11	1.68	2.83	2.19
MAY	3.46	2.84	5.42	2.70	.20	9.56	1.84	1.37	1.84	2.16	3.14
JUNE	1.53	2.56	6.00	7.06	1.67	5.37	2.72	8.60	4.10	3.20	4.28
JULY	3.17	1.11	5.66	3.95	3.13	4.91	9.15	3.32	1.78	3.23	3.94
AUGUST ..	3.30	2.84	3.83	5.18	7.85	4.58	4.40	4.58	5.15	8.91	5.06
SEPTEMBER ..	7.36	17.38	4.28	12.38	7.35	10.80	14.44	13.05	11.83	9.12	10.81
OCTOBER ..	14.24	10.05	8.19	7.90	10.41	6.06	4.26	2.04	9.43	4.90	7.75
NOVEMBER ..	4.25	2.52	6.68	3.68	7.67	3.50	8.61	3.62	4.35	2.90	4.78
DECEMBER ..	1.66	4.39	3.97	6.51	1.93	7.36	1.54	2.72	3.03	2.16	3.53
Total	45.93	54.59	50.82	58.96	60.08	56.42	63.14	47.71	51.20	43.29	53.22

10-year mean 53.22

APPENDIX II.

PRINCIPAL EXPORTS FROM THE BRITISH VIRGIN ISLANDS.

Commodity :	1951 Quantity	1951 Value $	1952 Quantity	1952 Value $	1953 Quantity	1953 Value $	1954 Quantity	1954 Value $	1955 Quantity	1955 Value $	Average value for previous 4 years.
Limes		729.60		408.00		211.20		441.60		520.54	447.60
Tomatoes		43.20		115.20		100.80		62.40		72.77	80.40
Coconuts		2894.40		3590.40		3100.80		2928.00		1979.56	1128.40
Livestock . ..		277934.40		194193.60		145766.40		231188.80		176382.17	224770.80
Rum .. .. 20 ..		67.20		369.60	424	1329.60		686.40		5271.43	613.20
Other Agricultural Products x.		34651.20		27710.40		31795.20		29620.80		24362.02	30944.40
Fish		7723.20		10656.00		16161.60		18993.60		10267.80	13383.60
TOTAL		324043.20		237043.20		198465.60		333921.60		218856.29	271368.40

Note. x. Includes forest products, fruit, vegetables and ground provisions.

APPENDIX III.

VALUE OF IMPORTS OF CERTAIN COMMODITIES into the BRITISH VIRGIN ISLANDS

Foodstuffs for human consumption	1951 $	1952 $	1953 $	1954 $	1955 $	Average for previous 4 years.
Wheaten Flour	69120	60480	85920	90240	94452.53	76440
Pulses	1920	2400	6240	1440	7244.54	3000
Rice	7680	7680	10560	13440	9347.52	9840
Cornmeal (Maize) ..	4320	5760	5760	7680	7171.95	5880
Bread & Biscuits	7680	3840	4800	8160	9555.46	6120
Butter & Substitutes ..	5280	5760	7200	7680	8728.89	6480
Lard & Substitutes ..	8640	12960	9600	14880	12374.74	11520
Edible Oils	960	960	2400	2400	2879.49	1680
Preserved Milk	3840	1920	9120	14400	19699.05	7320
Cheese	3360	3360	4320	5280	5787.39	4080
Preserved Meat	6240	6240	9120	12960	18872.50	8640
Preserved Fish	3360	2400	3840	5760	5398.30	3840
Fruit & Vegetables ..	5280	5280	9120	9600	11779.65	7320
Coffee	1440	1440	2880	3360	3123.87	2280
Tea	480	480	480	480	639.98	480
Cocoa	1920	1920	1920	2880	2825.26	2160
Sugar	36960	39360	57120	55680	51921.67	47280
TOTAL	168480	162240	230400	256320	271802.79	204360
Animal Feeding Stuffs ..	3360	3840	5280	5280	4700.55	4440
Fertilizers	—	—	—	—	19.17	—

Numbers		Service	Estimates 1955	Approved Estimates 1954	Revised Estimates 1954	Comparison with 1954		Actual 1953
						Increase	Decrease	
1954	1955		$	$	$	$	$	$
		IV. AGRICULTURE						
		1. Personal Emoluments						
1	1	(a) Superintendent of Agriculture	3,360	3,240	3,240	120	—	5,057
2	2	(b) Agricultural Assistants	2,796	2,542	2,912	254	—	2,993
2	3	(c) Petty Officers Class II	2,634	1,800	1,764	834	—	2,285
		(d) Acting Allowance	1	2,600	2,125	—	2,599	—
		(e) Exchange Compensation	3,804	4,100	4,086	—	296	4,392
5	6	Total Personal Emoluments	12,595	14,262	14,127	1,208	2,895	14,727
		OTHER CHARGES						
		A. *Recurrent*						
		2. Labour, Agricultural Station & Stock Farm	9,200	8,200	8,200	1,000	—	7,315
		3. Grant to Livestock Fund ..	480	480	480	—	—	958
		4. Feed for Livestock ..	1,000	1,000	850	—	—	695
		5. Upkeep & Maintenance of Machinery	800	700	650	100	—	581
		6. Seeds & Insecticides ..	200	150	100	50	—	58
		7. Drugs, Laboratory & Office Equipment	800	800	800	—	—	800
		8. Materials & Tools ..	800	600	600	200	—	583
		9. Soil & Water Conservation	100	100	50	—	—	—
		10. Stock Inspection & Immunization	1,337	1,337	1,100	—	—	856
		11. Chemicals & Equipment for Dips	1,028	1,028	938	—	—	—
		12. Cleaning and Refilling Dips	514	514	464	—	—	—
		13. Agricultural Exhibitions & Farmers Course ..	900	700	700	200	—	697
		14. Maintenance of Recreation Ground & Trees ..	315	315	315	—	—	260
		Carried forward ..	17,474	15,924	15,247	1,550	—	12,803

VIRGIN ISLANDS ESTIMATES, 1955.

Service	Estimates 1955	Approved Estimates 1954	Revised Estimates 1954	Comparison with 1954 Increase	Comparison with 1954 Decrease	Actual 1953
	$	$	$	$	$	$
IV. AGRICULTURE (CTD.)						
Brought forward ..	17,474	15,924	15,247	1,550	—	12,803
15. Maintenance of Saddlery	50	80	50	—	30	15
16. Upkeep of Bicycles ..	10	10	10	—	—	10
17. Maintenance of Scales ..	200	200	50	—	—	—
18. Forestry Nursery ..	100	—	—	100	—	—
19. Office Furnishings & Equipment	150	—	—	150	—	—
20. Contingencies	150	150	150	—	—	141
Maintenance of Dipping Vats	—	—	—	—	—	1,348
Total Recurrent ..	18,134	16,364	15,507	1,800	30	14,317
B. *Extraordinary*						
21. Scales	1,500	1,500	1,300	—	—	1,346
22. Bicycle	100	—	—	100	—	—
23. First Aid Kits	200	—	—	200	—	—
24. Fishery & other experiments	136	—	—	136	—	—
Cart	—	400	400	—	400	—
Total Extraordinary ..	1,936	1,900	1,700	436	400	1,346
Total Recurrent ..	18,134	16,364	15,507	1,800	30	14,317
Total Other Charges ..	20,070	18,264	16,207	2,236	430	15,663
Total Personal Emoluments ..	12,595	14,282	14,127	1,208	2,895	14,727
Total Head IV ..	32,665	32,546	30,334	3,444	3,325	30,390

APPENDIX II.